

POWER SOURCE TEST INSTRUMENT

Abstract

A power source test instrument for a circuit includes a voltage test circuit and a current test circuit. Two operational amplifiers form the voltage test circuit and the current test circuit. The power source test instrument is convenient and saves time when conducting various kinds of tests including: charging, discharging, dummy battery loading, and current testing. Additionally the power source test instrument ensures a full test without damaging or requiring disassembly of the product under test.